

0280

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/008,093

DATE: 12/18/2001
TIME: 16:07:52

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\12182001\J008093.raw

ENTERED

3 <110> APPLICANT: McCarthy, Jeannette Just
5 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE IDENTIFICATION,
6 ASSESSMENT, PREVENTION AND THERAPY OF
7 CARDIOVASCULAR DISEASE
9 <130> FILE REFERENCE: MRI-026
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/008,093
C--> 11 <141> CURRENT FILING DATE: 2001-11-09
11 <150> PRIOR APPLICATION NUMBER: US 60/248,185
12 <151> PRIOR FILING DATE: 2000-11-09
14 <150> PRIOR APPLICATION NUMBER: US 60/257,417
15 <151> PRIOR FILING DATE: 2000-12-22
17 <160> NUMBER OF SEQ ID NOS: 6
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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22 <211> LENGTH: 5724
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
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29 gcctggggac taggcgtctt gttcctgatg catgtgtgtg gcaccaaccc cattccagag 180
30 tctggcggag acaacacggt gttgacatc tttgaactca ccggggccgc cccaaagg 240
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33 gcagaaaaagg gtttccttct tctggcatcc ctgaggcaga tgaagaagac ccggggcacg 420
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35 aaggcgggca ccctggaccc cagcctgacc gtccaaaggaa agcagcacgt ggtgtctgt 540
36 gaagaagctc tcctggcaac cggccatgtt aagagatca ccctgtttgt gcaggaagac 600
37 agggccacgc tgtacatcga ctgtggaaaatg atggagaatg ctgagttgaa cgccccatc 660
38 caaaaggctct tcaccagaga cctggccagc atgcggccatc tccgcattcgc aaaggggggc 720
39 gtcaatgaca atttccaggg ggtgctgcag aatgtgaggt ttgtctttgg aaccacacca 780
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41 aacaacgtgg tgaatggttc cagccctgccc atccgcacta actacattgg ccacaagaca 900
42 aagacttgc aaggccatctg cggcatctcc tggatgtggc tggccagcat ggtccatggaa 960
43 ctcagggggcc tggccatctt tggatgtggc ctggccatccatc tggccatccaa agtgcgtt 1020
44 gagaacaaag agttggccaa tggatgtggc cggccctccatc tggatgtggc caacggatgtt 1080
45 cagtagggaa ataacgggaa atggactgtt gatagctgca ctggatgtca ctgtcagaac 1140
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53 tgcaagaaag acggatgttgc catcaatgttgc gggatgttgc tggatgttgc atggatgttgc 1620
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55 cccatgttgc gggatgttgc tggatgttgc gttgtatgttgc tggatgttgc tggatgttgc 1740

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56 caggactgtc caattgatgg atgcctgtcc aatccctgtt ttgcccggcgt gaagtgtact 1800
 57 agtacctctg atggcagctg gaaaatgtggt gcttgcctcc ctggttacag tggaaatggc 1860
 58 atccagtgca cagatgttga tgagtgc当地 gaagtgccctg atgcctgttt caaccacaat 1920
 59 ggagagcacc ggtgtgagaa cacgggacccc ggctacaact gcctgcctc ccccccacgc 1980
 60 ttcacccggct cacagccctt cggccagggt gtcgaacatg ccacggccaa caaacaggtg 2040
 61 tgcaagccccc gtaaccctg cacggatggg accccacact gcaacaagaa cgccaaagtgc 2100
 62 aactacctgg gccactatag cgaccccatg taccgtcg agtgc当地 agtgc当地 tggctacgct 2160
 63 ggcaatggca tc当地tgc当地 ggaggacaca gacctggatg gctggcccaa tgagaacctg 2220
 64 gtgtgc当地gg ccaatgc当地 ttaccactgc aaaaaggata attgccc当地 ccttcccaac 2280
 65 tcagggcagg aagactatga caaggatggg attggatg cctgtatg tgacgatgac 2340
 66 aatgataaaa ttccagatga cagggacaac tgtccattcc attacaaccc agctcagtt 2400
 67 gactatgaca gagatgtt gggagaccgc tgc当地acaact gtc当地tacccaa ccacaaccc 2460
 68 gatcaggcag acacagacaa caatggggaa ggagacgc当地 gtgc当地c当地 cattgatgga 2520
 69 gacggtatcc tcaatgacg ggacaactgc cagtagtct acaatgtgga ccagagagac 2580
 70 actgatatgg atggggttgg agatcagtt gacaattgcc cttggaaaca caatccggat 2640
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 73 gaccatgaca aagatggca gggagatgcc tgc当地taccacg atgatgacaa cgatggcatt 2820
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 82 aaagttgtaa actccaccac agggcttggc ggc当地tgc当地 ggaacgc当地tcc gtggccacaca 3360
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 103 ct当地tccatg gaattatcat ggatgttctt aattctcttctt ttggatgtt agatgtt 4620
 104 taaatgctt acgatgtaaa atatgttattt ttacttattt ctggatgtc tggctgaagg 4680

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108 gaacagcaca aggaaaatca gtctataag ctgctctgcc cttgtgtc agagtggatg 4920
109 ttatggatt cttttttct ctgttttac tttcaagtg gaatttagtt gttatccatt 4980
110 tgcaaattgtt ttaaattgca aagaaagcca tgagtttcc aataactgtt taccccatcc 5040
111 ctgtgcata tttcoaggga gaaggaaagc atatacactt ttttcttca ttttccaaa 5100
112 agagaaaaaa atgacaaaag gtgaaactta catacaaaata ttacctcatt tttgtgtga 5160
113 ctgagtaaaag aatttttggc tcaagcggaa agagtttaag tgtctaacaa acttaaagct 5220
114 actgtgtac ctaaaaagtc agtgggtac atagcataaa aactctgcag agaagtattc 5280
115 ccaataagga aatagcattt aatgtttaa tacaatttct gaaagttatg tttttttct 5340
116 atcatctggt ataccattgc tttatttta taaatttattt tctcattgcc attggaatag 5400
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118 gtttagtattt ctattttat ataatgttgc cacactgaat tgaagaattt ttttttttt 5520
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124 <210> SEQ ID NO: 2

125 <211> LENGTH: 1170

126 <212> TYPE: PRT

127 <213> ORGANISM: Homo sapiens

129 <400> SEQUENCE: 2

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134	Ile	Phe	Glu	Leu	Thr	Gly	Ala	Ala	Arg	Lys	Gly	Ser	Gly	Arg	Arg	Leu
135					35				40				45			
136	Val	Lys	Gly	Pro	Asp	Pro	Ser	Ser	Pro	Ala	Phe	Arg	Ile	Glu	Asp	Ala
137					50				55				60			
138	Asn	Leu	Ile	Pro	Pro	Val	Pro	Asp	Asp	Lys	Phe	Gln	Asp	Leu	Val	Asp
139	65					70				75			80			
140	Ala	Val	Arg	Ala	Glu	Lys	Gly	Phe	Leu	Leu	Leu	Ala	Ser	Leu	Arg	Gln
141					85				90				95			
142	Met	Lys	Lys	Thr	Arg	Gly	Thr	Leu	Leu	Ala	Leu	Glu	Arg	Lys	Asp	His
143					100				105				110			
144	Ser	Gly	Gln	Val	Phe	Ser	Val	Val	Ser	Asn	Gly	Lys	Ala	Gly	Thr	Leu
145					115				120				125			
146	Asp	Leu	Ser	Leu	Thr	Val	Gln	Gly	Lys	Gln	His	Val	Val	Ser	Val	Glu
147					130				135				140			
148	Glu	Ala	Leu	Leu	Ala	Thr	Gly	Gln	Trp	Lys	Ser	Ile	Thr	Leu	Phe	Val
149	145					150				155			160			
150	Gln	Glu	Asp	Arg	Ala	Gln	Leu	Tyr	Ile	Asp	Cys	Glu	Lys	Met	Glu	Asn
151						165				170			175			
152	Ala	Glu	Leu	Asp	Val	Pro	Ile	Gln	Ser	Val	Phe	Thr	Arg	Asp	Leu	Ala
153						180				185			190			
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156 Gln Gly Val Leu Gln Asn Val Arg Phe Val Phe Gly Thr Thr Pro Glu
157 210 215 220
158 Asp Ile Leu Arg Asn Lys Gly Cys Ser Ser Ser Thr Ser Val Leu Leu
159 225 230 235 240
160 Thr Leu Asp Asn Asn Val Val Asn Gly Ser Ser Pro Ala Ile Arg Thr
161 245 250 255
162 Asn Tyr Ile Gly His Lys Thr Lys Asp Leu Gln Ala Ile Cys Gly Ile
163 260 265 270
164 Ser Cys Asp Glu Leu Ser Ser Met Val Leu Glu Leu Arg Gly Leu Arg
165 275 280 285
166 Thr Ile Val Thr Thr Leu Gln Asp Ser Ile Arg Lys Val Thr Glu Glu
167 290 295 300
168 Asn Lys Glu Leu Ala Asn Glu Leu Arg Arg Pro Pro Leu Cys Tyr His
169 305 310 315 320
170 Asn Gly Val Gln Tyr Arg Asn Asn Glu Glu Trp Thr Val Asp Ser Cys
171 325 330 335
172 Thr Glu Cys His Cys Gln Asn Ser Val Thr Ile Cys Lys Lys Val Ser
173 340 345 350
174 Cys Pro Ile Met Pro Cys Ser Asn Ala Thr Val Pro Asp Gly Glu Cys
175 355 360 365
176 Cys Pro Arg Cys Trp Pro Ser Asp Ser Ala Asp Asp Gly Trp Ser Pro
177 370 375 380
178 Trp Ser Glu Trp Thr Ser Cys Ser Thr Ser Cys Gly Asn Gly Ile Gln
179 385 390 395 400
180 Gln Arg Gly Arg Ser Cys Asp Ser Leu Asn Asn Arg Cys Glu Gly Ser
181 405 410 415
182 Ser Val Gln Thr Arg Thr Cys His Ile Gln Glu Cys Asp Lys Arg Phe
183 420 425 430
184 Lys Gln Asp Gly Gly Trp Ser His Trp Ser Pro Trp Ser Ser Cys Ser
185 435 440 445
186 Val Thr Cys Gly Asp Gly Val Ile Thr Arg Ile Arg Leu Cys Asn Ser
187 450 455 460
188 Pro Ser Pro Gln Met Asn Gly Lys Pro Cys Glu Gly Glu Ala Arg Glu
189 465 470 475 480
190 Thr Lys Ala Cys Lys Lys Asp Ala Cys Pro Ile Asn Gly Gly Trp Gly
191 485 490 495
192 Pro Trp Ser Pro Trp Asp Ile Cys Ser Val Thr Cys Gly Gly Val
193 500 505 510
194 Gln Lys Arg Ser Arg Leu Cys Asn Asn Pro Ala Pro Gln Phe Gly Gly
195 515 520 525
196 Lys Asp Cys Val Gly Asp Val Thr Glu Asn Gln Ile Cys Asn Lys Gln
197 530 535 540
198 Asp Cys Pro Ile Asp Gly Cys Leu Ser Asn Pro Cys Phe Ala Gly Val
199 545 550 555 560
200 Lys Cys Thr Ser Tyr Pro Asp Gly Ser Trp Lys Cys Gly Ala Cys Pro
201 565 570 575
202 Pro Gly Tyr Ser Gly Asn Gly Ile Gln Cys Thr Asp Val Asp Glu Cys
203 580 585 590
204 Lys Glu Val Pro Asp Ala Cys Phe Asn His Asn Gly Glu His Arg Cys

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209	625	630	635
210	Lys Gln Val Cys Lys Pro Arg Asn Pro Cys Thr Asp Gly Thr His Asp		640
211	645	650	655
212	Cys Asn Lys Asn Ala Lys Cys Asn Tyr Leu Gly His Tyr Ser Asp Pro		
213	660	665	670
214	Met Tyr Arg Cys Glu Cys Lys Pro Gly Tyr Ala Gly Asn Gly Ile Ile		
215	675	680	685
216	Cys Gly Glu Asp Thr Asp Leu Asp Gly Trp Pro Asn Glu Asn Leu Val		
217	690	695	700
218	Cys Val Ala Asn Ala Thr Tyr His Cys Lys Lys Asp Asn Cys Pro Asn		
219	705	710	715
220	Leu Pro Asn Ser Gly Gln Glu Asp Tyr Asp Lys Asp Gly Ile Gly Asp		720
221	725	730	735
222	Ala Cys Asp Asp Asp Asp Asn Asp Lys Ile Pro Asp Asp Arg Asp		
223	740	745	750
224	Asn Cys Pro Phe His Tyr Asn Pro Ala Gln Tyr Asp Tyr Asp Arg Asp		
225	755	760	765
226	Asp Val Gly Asp Arg Cys Asp Asn Cys Pro Tyr Asn His Asn Pro Asp		
227	770	775	780
228	Gln Ala Asp Thr Asp Asn Asn Gly Glu Gly Asp Ala Cys Ala Ala Asp		
229	785	790	795
230	Ile Asp Gly Asp Gly Ile Leu Asn Glu Arg Asp Asn Cys Gln Tyr Val		800
231	805	810	815
232	Tyr Asn Val Asp Gln Arg Asp Thr Asp Met Asp Gly Val Gly Asp Gln		
233	820	825	830
234	Cys Asp Asn Cys Pro Leu Glu His Asn Pro Asp Gln Leu Asp Ser Asp		
235	835	840	845
236	Ser Asp Arg Ile Gly Asp Thr Cys Asp Asn Asn Gln Asp Ile Asp Glu		
237	850	855	860
238	Asp Gly His Gln Asn Asn Leu Asp Asn Cys Pro Tyr Val Pro Asn Ala		
239	865	870	875
240	Asn Gln Ala Asp His Asp Lys Asp Gly Lys Gly Asp Ala Cys Asp His		
241	885	890	895
242	Asp Asp Asp Asn Asp Gly Ile Pro Asp Asp Lys Asp Asn Cys Arg Leu		
243	900	905	910
244	Val Pro Asn Pro Asp Gln Lys Asp Ser Asp Gly Asp Gly Arg Gly Asp		
245	915	920	925
246	Ala Cys Lys Asp Asp Phe Asp His Asp Ser Val Pro Asp Ile Asp Asp		
247	930	935	940
248	Ile Cys Pro Glu Asn Val Asp Ile Ser Glu Thr Asp Phe Arg Arg Phe		
249	945	950	955
250	Gln Met Ile Pro Leu Asp Pro Lys Gly Thr Ser Gln Asn Asp Pro Asn		960
251	965	970	975
252	Trp Val Val Arg His Gln Gly Lys Glu Leu Val Gln Thr Val Asn Cys		
253	980	985	990

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date